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MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
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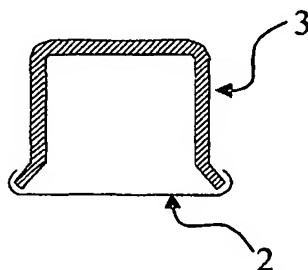
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*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: CONTAINER CLOSURE WITH SEALING ELEMENT AND PROCESS AND APPARATUS FOR MAKING IT



(57) Abstract: A composite capsule and variants thereof for closing and sealing bottles and similar containers, which is essentially composed of two elements: a rigid capsule (2) and an extensible plastic diaphragm (2), integral therewith. Various processes for making the composite capsule and variants thereof. Said composite capsule and the variants thereof may be fitted in a single step on to bottles (1) and similar containers, by using conventional sealing apparatus. The capsule may also have an axial extension in the shape of a drinking-glass (30) whose specific function is supplemented by a tamperproof seal function.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D41/20 B65D41/22 B65D41/26 B21D51/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 372 210 A (THOMAS) 5 May 1932 (1932-05-05)	1-3, 5-12, 16, 17
Y	page 1, line 58 -page 2, line 85	18, 19, 22-26, 29, 30
A	page 4, line 16 - line 29; figures 1, 2	4
A	FR 1 196 730 A (CROWN CORK) 25 November 1959 (1959-11-25) the whole document	13-15
A	FR 79 742 E (CROWN CORK) 11 January 1963 (1963-01-11) the whole document	13-15
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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Newell, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/50285

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2 465 662 A (SANFORD) 29 March 1949 (1949-03-29) column 4, line 52 - line 60; figures ---	18,19
A	GB 797 771 A (KORK-N-SEAL) 9 July 1958 (1958-07-09) claim 1; figures ---	20,21
Y	EP 1 106 521 A (KHS) 13 June 2001 (2001-06-13) claim 4; figures ---	22
A		29
A	US 3 959 061 A (RENCK ET AL) 25 May 1976 (1976-05-25) the whole document ---	33-42
A	US 2 008 802 A (STANEK ET AL) 23 July 1935 (1935-07-23) the whole document ---	33-42
A	US 4 199 917 A (MITCHELL) 29 April 1980 (1980-04-29) the whole document ---	33-42
Y	GB 2 310 658 A (CHOWN) 3 September 1997 (1997-09-03) the whole document ---	23-26,29
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Y	DE 299 22 619 U (KRONSEDER) 4 May 2000 (2000-05-04) page 8, line 11 -page 9, line 3; figures 1-3 ---	30
A		33
A	DE 15 32 439 A (LEPOIX) 16 March 1972 (1972-03-16) page 7, line 13 -page 9, line 6; figures 5,6 ---	31
P,A	WO 03 018419 A (ZOTT) 6 March 2003 (2003-03-06) page 1; claim 1 -----	31

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/50285

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-22,33-42

Closure having stretchable diaphragm to seal a container and process and apparatus for its manufacture.

2. Claims: 23-31

Cap-like cover serving as a drinking vessel

INTERNATIONAL SEARCH REPORT

International Application No

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INTERNATIONAL SEARCH REPORT

International Application No

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